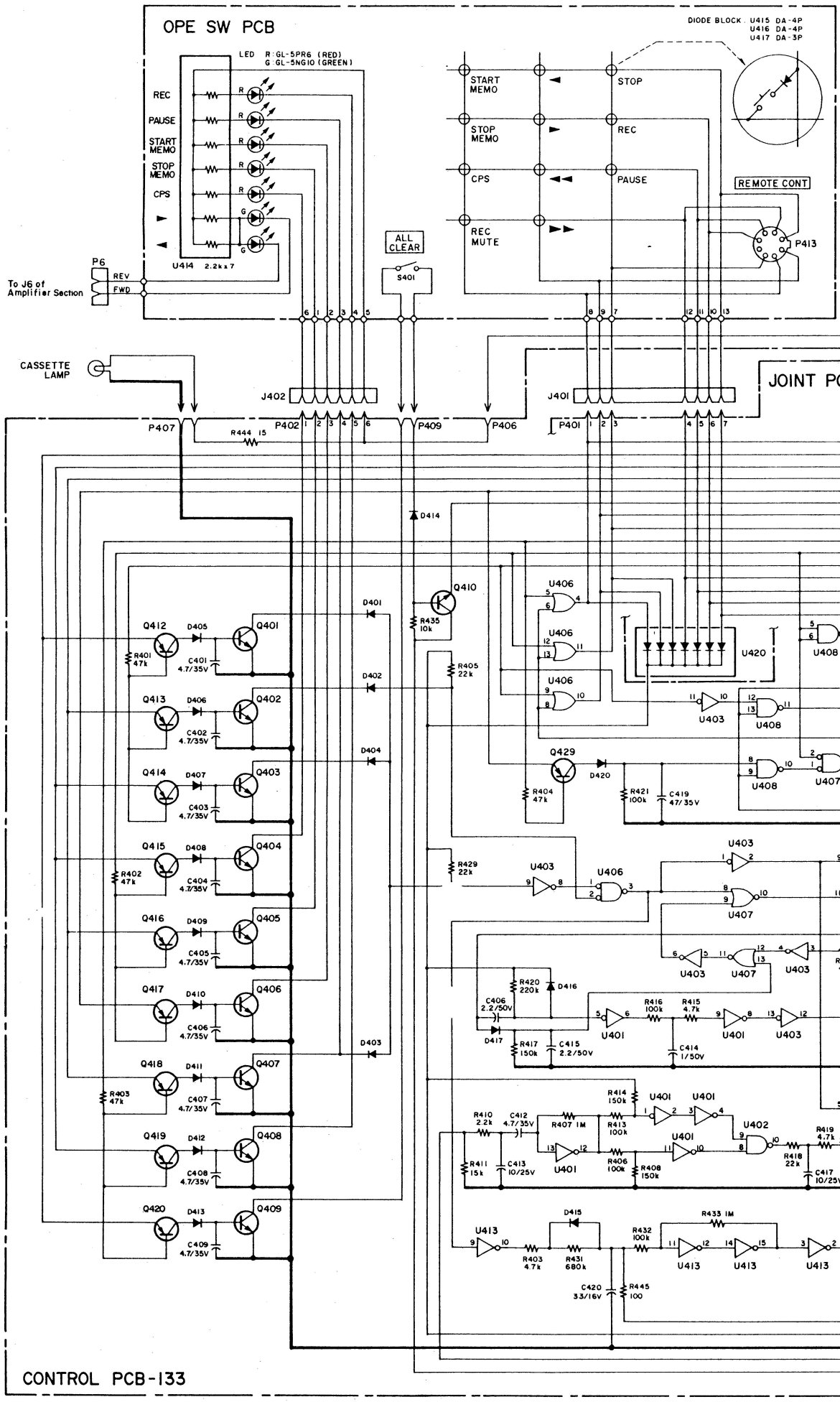
TEAC® V-R1/V-95RX



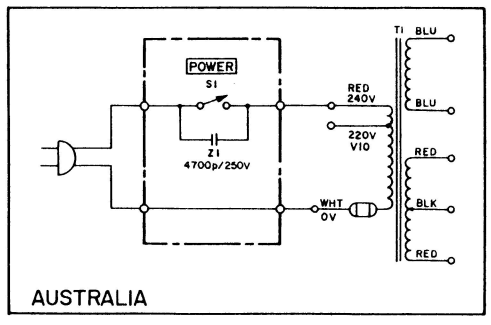
CONTROL PCB-133

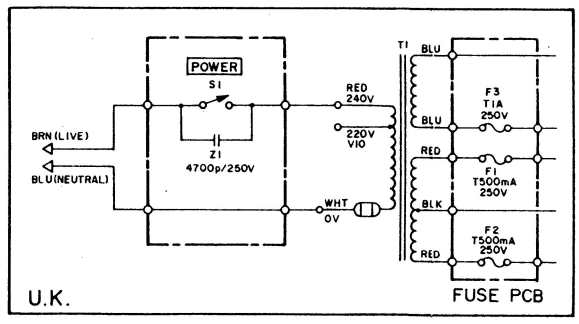
CONTROL PCB

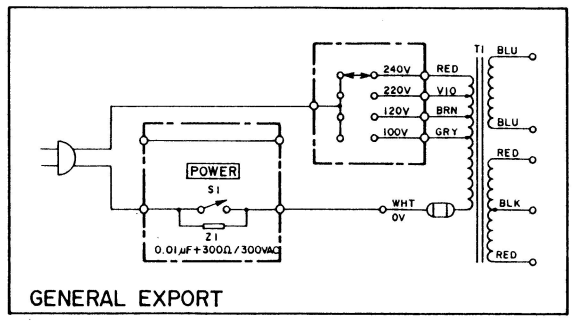
U401	TA4069BP	Q401 ~ Q410	KTN5014(GR)		IC1	MPU
U402	TC4011BP	Q411	(Not used)		IC2, IC3	BA6208
U403	TA4069BP	Q412 ~ Q420	2SA1015(GR)		Q1	2SD400(DE)
U404	TC4013BP	Q421, Q422	(Not used)		Q2 ~ Q10	2SC2320 or 2SC1815
U405	TC4011BP	Q423 ~ Q427	KTN5014(GR)		Q11	2SA999 or 2SA1015
		Q428, Q429	2SA1015(GR)			
U406	TC4071BP				D1 ~ D9	IS2473HJ
U407	TC4001BP	D401 ~ D420	IS2473HJ		ZD1	WZ-069
U408	TC4011BP				ZD2	WZ-032
U409	TC4069BP	Q450	KTN5014(GR)		ZD3	WZ-042
U410	TC5002BP					
U411	TC4015BP	U420	DA-8P (or D421 ~ D427 IS2473HJ x7)			
U412	TC4001BP	U421	DA-8N (or D428 ~ D434 IS2473HJ x7)			
U413	MSM4049					

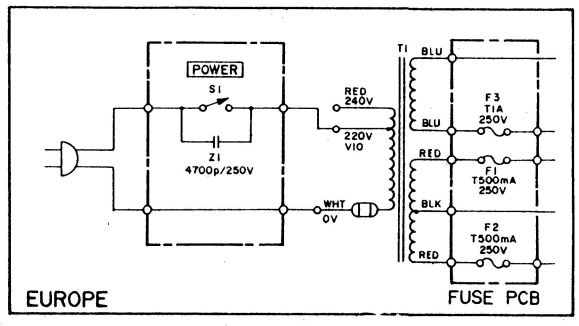
R/P PCB(1/2)

U301	NJM78M12A	D301	LBA-01
U302	NJM79M12A	D302	MBK-02
U303	NJM78M05A	D303, D304	SM-1A-02
		D305	EQA01-13A
Q301	2SD985	D306	SM-1A-02
Q314	2SD985	D311	SM-1A-02
Q315	2SD313(F)	D312	GZA9.1L
Q316	KTN5014(GR)	D106 ~ D10	IS2473HJ
Q118	2SA1015 (GR)		









CONTROL PCB

TIMER
REC
OUT
PLAY

AUTO REVERSE

DIRECTION SW
HALL IC : DN6838
REV
FWD
REV
STOP
FWD
CAM SW

CN2
CN3
CN4
CN5
CN6
CN7
CN8
CN1

J403
P403
P410
P414
J414
P408
P413
J413

IC1 MPU
IC2
IC3

4.19MHz
R28 1M
C11 12p
C12 12p
R29 4.7k

R27
R26
R25
R24
47k x 4

Q11
R23 47k
D7
D9

R16 47k
Q9
C10 10/25V

Q1
R1 120
ZD1 7V
D3 4.2V
C5 10/16V
C4 10/16V
Q8
Q7
R15 22k
R14 22k
R12 10k
C2 10/16V
R13 10k
C3 10/16V

D8
R18 100

R22 47k
R17 22k
D6
R21 100k
D4
R20 100k
C9 0.01
C8 0.01
D5
D3
C7 100/6.3V
Q10
R19 220k
C13 0.01
C15 0.1
C6 22/10V

Q2
R3 4.7k
R9 22k
Q6
Q5
R8 22k
R11 1.5k
R10 1.5k
D2
D1
Q4
Q3
R7 10k
R6 10k
R4 270
ZD2 3V
R5 270
C1 10/16V

U405
U405

Q450
R40 100k (B)
R451 33k
R452 2.7k
RT40 S5C-14
R450 5.6k
R412 470
P405
J405
SENSOR PCB 116
SENSOR Ass'y

- (A) REC MUTE OUTPUT
- (B) LINE MUTE OUTPUT
- (C) REC OUTPUT
- (D) F/R HEAD SW OUTPUT
- (E) CPS INPUT

To Amplifier Section

CAPSTAN MOTOR
REEL MOTOR
CAM MOTOR
REV REC SWITCH
FWD REC SWITCH
EJECT SWITCH

FUSE PCB
RED 240V
220V VIO
WHT 0V
T1
BLU
F3 T1A 250V
F1 T500mA 250V
F2 T500mA 250V
BLK
RED

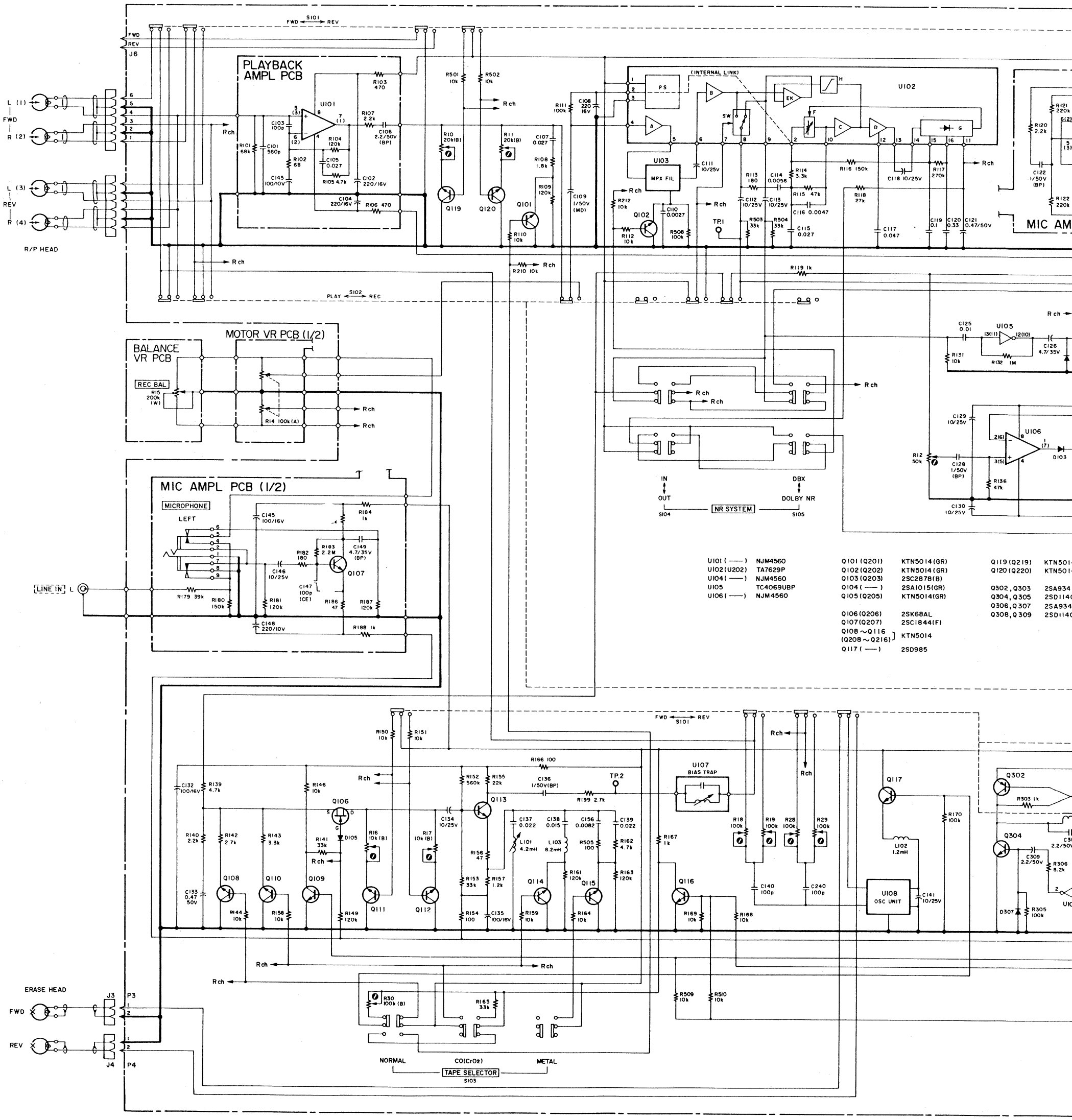
JAPAN
POWER
S1
Z1 0.1μF + 120Ω / 300VAC
GRY 100V
WHT 0V

FUSE PCB
U.S.A., CANADA
BRN 120V
For CANADA only
Z1
U.S.A. 0.33μF + 120Ω / 250V
CANADA 0.033μF + 120Ω / 250V

R/P PCB(1/2)
Q301
Q314
Q315
Q316
Q118
D302
D303
D304
D301
D311
D312
D305
D306
D107
D106
D109
U303
U301
U302
R301 1k
R319 270
R321 680Ω(2W)
R322 10k
R302 10k
R174 18k
R511 10k
R171 1k
R172 2.7k
R512 120k
C305 1000 25V
C307 10/25V
C308 4.7/16V
C316 4700/25V
C317 47/25V
C318 4700 25V
C143 47/25V
C306 1/50V
C301 2200/25V
C302 2200/25V
C303 47/16V
C304 47/16V

+5V
POWER MUTE
+12V
+12V
0V
-12V
To Amplifier Section

TEAC® V-R1/V-95RX



U101 (——)	NJM4560	Q101 (Q201)	KTN5014(GR)	Q119 (Q219)	KTN501
U102 (U202)	TA7629P	Q102 (Q202)	KTN5014(GR)	Q120 (Q220)	KTN501
U104 (——)	NJM4560	Q103 (Q203)	2SC2878(B)		
U105	TC4069UBP	Q104 (——)	2SA1015(GR)	Q302, Q303	2SA934
U106 (——)	NJM4560	Q105 (Q205)	KTN5014(GR)	Q304, Q305	2SD114
		Q106 (Q206)	2SK68AL	Q306, Q307	2SA934
		Q107 (Q207)	2SC1844(F)	Q308, Q309	2SD114
		Q108 ~ Q116 (Q208 ~ Q216)	KTN5014		
		Q117 (——)	2SD985		

L [OUTPUT]

MIC AMPL PCB (2/2)

U104 R121 220k C124 1/50V PHONES R120 2.2k R124 33 C122 1/50V (BP) R123 2.2k R125 10k C123 1/50V R122 220k

OUTPUT R13 20k(A)

Rch

Q103 R126 10k R129 120k

Q104 R127 10k R128 10k

P5 J5

C119 0.1 C120 0.33 C121 0.47/50V R117 270k

LEVEL METER PCB (B)

C151 10/25V C150 10/25V

U109

R196 2.7k R195 1.5k R194 1.5k R193 1.5k R192 1.5k R191 1.5k R190 1.5k R189 1.5k

LEFT

(dB) -30 -20 -15 -10 -7 -5 -3 -2 -1 0 1 2 3 5 7 10

RIGHT

U2C

R297 10k R298 2.2k C251 10/25V C250 10/25V R296 2.7k

U210 1.5k x 7

LEVEL METER PCB (A)

P7 J7

R130 1.2k

P502-1
P502-2
P502-3
P502-4
P502-5
P502-6

To dbx PCB

DBX

+12V P501-7
P501-8
-12V P501-9
P501-10

R ch
R ch

C125 0.01 U105 D102 R134 10k U105 U105 R131 10k R132 1M C126 4.7/35V D101 R133 47k C127 2.2/50V R135 220k

C129 10/25V U106 R137 1k R12 50k C128 1/50V (BP) D103 Q105 Rch R138 10k R136 47k C131 10/25V R147 68k C130 10/25V

Q302 Q303 Q306 Q307 R303 1k R304 1k R309 1k R310 1k

C311 2.2/50V(BP) C312 2.2/50V(BP)

Q304 Q305 Q308 Q309

C309 2.2/50V R306 8.2k R308 8.2k C310 4.7/35V C313 2.2/50V R312 8.2k R314 8.2k C314 4.7/35V

U105 U105

D307 R305 100k R307 100k D308 D309 R311 100k R313 100k D310

R170 100k C141 10/25V

Q310 Q311 R315 1k R316 1k R328 470

MOTOR VR PCB (2/2)

MOTOR VR M C315 2.2/50V (BP)

Q312 Q313 VR IND.

SLOW S108 FAST R318 27

R317 1k

S106 S107 DOWN UP RECODING LEVEL

A CN6-1
B CN6-2
C CN6-3
D CN6-4
E CN6-5

To Control Section

D104 R507 10k

L +5V
F POWER MUTE
G +12V
H +12V
I 0V
J -12V
K

R/P PCB (1/2)

TN5014(GR)	Q119(Q219)	KTN5014(GR)	D101～D103 (D201～D203) IS2473HJ
TN5014(GR)	Q120(Q220)	KTN5014(GR)	D104 (——) IS2473HJ
SC2878(B)			D105 (D205) IS2473HJ
SAI015(GR)	Q302, Q303	2SA934(Q)	
TN5014(GR)	Q304, Q305	2SD1140	
	Q306, Q307	2SA934(Q)	
SK68AL	Q308, Q309	2SD1140	
SC1844(F)			
TN5014			
SD985			